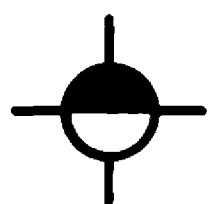


C



C'

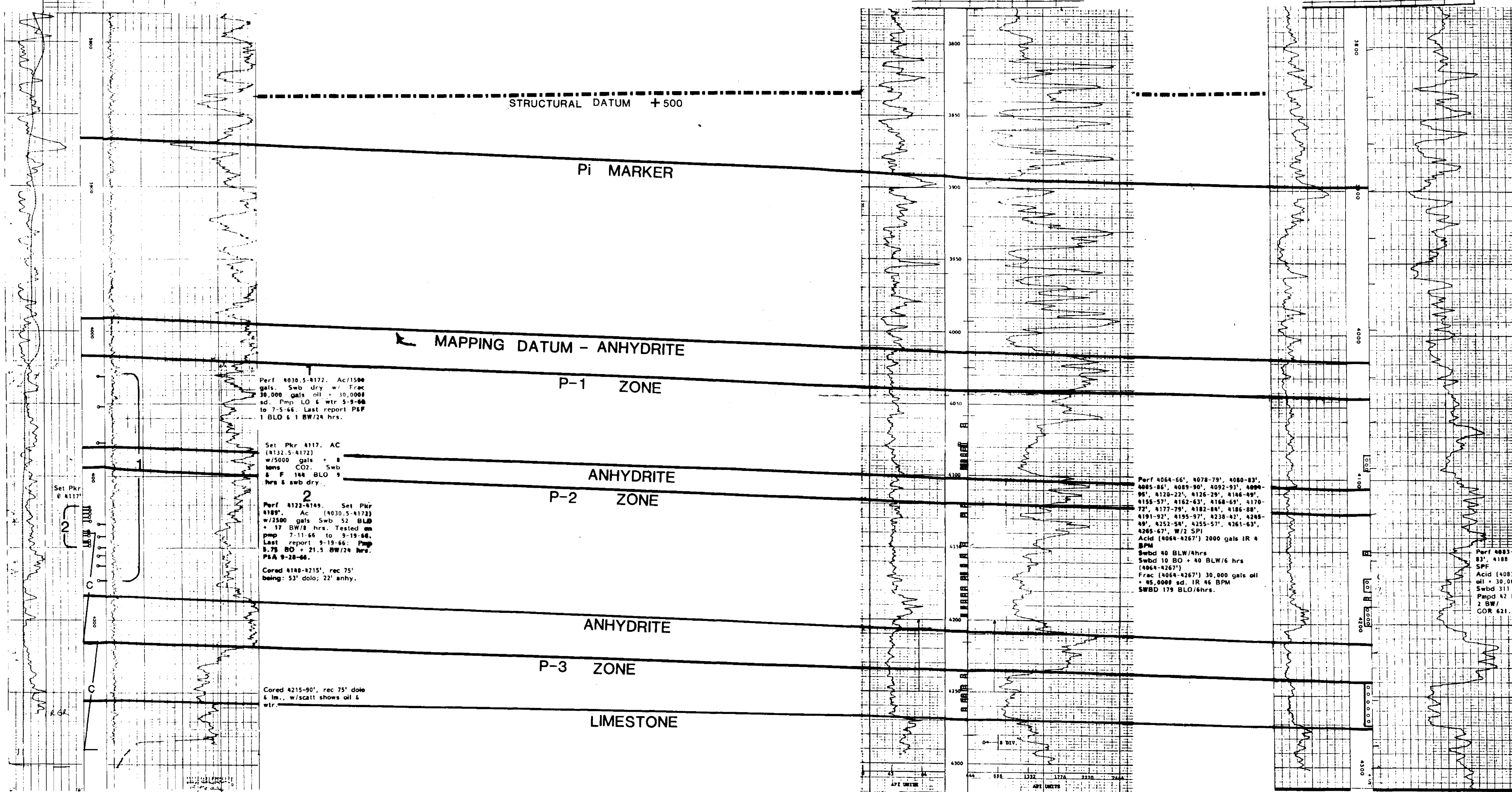
SCHLUMBERGER
COMPENSATED
FORMATION DENSITY LOG

COMPANY: *Merriam & Co.*
WELL: *Capitan #1 Scott*
FIELD: *Capitan*
COUNTY: *San Antonio*
STATE: *TX*
DATE: *9-28-66*
LOG NO.: *100*
LOG TYPE: *Formation Density*
LOG SCALE: *0.000 to 2.800*
LOG UNIT: *g/cc*
LOG RANGE: *0.000 to 2.800*
LOG INTERVAL: *0.000 to 2.800*
LOG RESOLUTION: *0.000 to 2.800*
LOG SENSITIVITY: *0.000 to 2.800*
LOG ACCURACY: *0.000 to 2.800*
LOG PRECISION: *0.000 to 2.800*
LOG REPRODUCIBILITY: *0.000 to 2.800*
LOG STABILITY: *0.000 to 2.800*
LOG RELIABILITY: *0.000 to 2.800*
LOG VALIDITY: *0.000 to 2.800*
LOG COMPLETENESS: *0.000 to 2.800*
LOG CLARITY: *0.000 to 2.800*
LOG READABILITY: *0.000 to 2.800*
LOG INTERPRETABILITY: *0.000 to 2.800*
LOG USABILITY: *0.000 to 2.800*
LOG APPLICABILITY: *0.000 to 2.800*
LOG FEASIBILITY: *0.000 to 2.800*
LOG VIABILITY: *0.000 to 2.800*
LOG SUSTAINABILITY: *0.000 to 2.800*
LOG RESILIENCE: *0.000 to 2.800*
LOG ADAPTABILITY: *0.000 to 2.800*
LOG TRANSFORMABILITY: *0.000 to 2.800*
LOG REVERSIBILITY: *0.000 to 2.800*
LOG RESTORABILITY: *0.000 to 2.800*
LOG PERSISTENCE: *0.000 to 2.800*
LOG ENDURANCE: *0.000 to 2.800*
LOG LONGEVITY: *0.000 to 2.800*
LOG PERMANENCE: *0.000 to 2.800*
LOG STABILITY: *0.000 to 2.800*
LOG RELIABILITY: *0.000 to 2.800*
LOG VALIDITY: *0.000 to 2.800*
LOG COMPLETENESS: *0.000 to 2.800*
LOG CLARITY: *0.000 to 2.800*
LOG READABILITY: *0.000 to 2.800*
LOG INTERPRETABILITY: *0.000 to 2.800*
LOG USABILITY: *0.000 to 2.800*
LOG APPLICABILITY: *0.000 to 2.800*
LOG FEASIBILITY: *0.000 to 2.800*
LOG VIABILITY: *0.000 to 2.800*
LOG SUSTAINABILITY: *0.000 to 2.800*
LOG RESILIENCE: *0.000 to 2.800*
LOG ADAPTABILITY: *0.000 to 2.800*
LOG TRANSFORMABILITY: *0.000 to 2.800*
LOG REVERSIBILITY: *0.000 to 2.800*
LOG RESTORABILITY: *0.000 to 2.800*
LOG PERSISTENCE: *0.000 to 2.800*
LOG ENDURANCE: *0.000 to 2.800*
LOG LONGEVITY: *0.000 to 2.800*
LOG PERMANENCE: *0.000 to 2.800*

McCullough
SCINTILLOMETER
GAMMA-RAY NEUTRON LOG

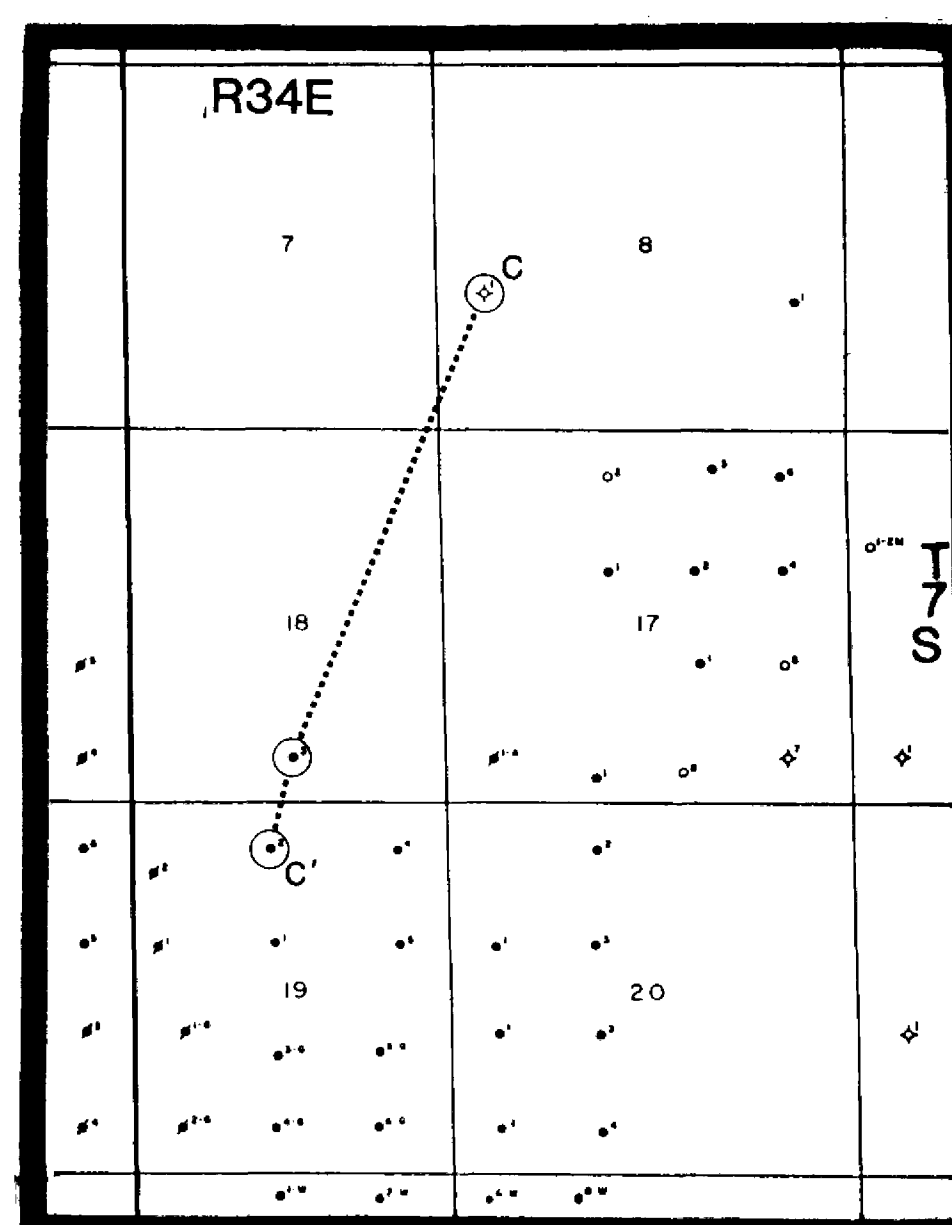
COMPANY: *McCullough*
WELL: *Capitan #1 Scott*
FIELD: *Capitan*
COUNTY: *San Antonio*
STATE: *TX*
DATE: *9-28-66*
LOG NO.: *100*
LOG TYPE: *Gamma-Ray Neutron*
LOG SCALE: *0.000 to 2.800*
LOG UNIT: *g/cc*
LOG RANGE: *0.000 to 2.800*
LOG INTERVAL: *0.000 to 2.800*
LOG RESOLUTION: *0.000 to 2.800*
LOG SENSITIVITY: *0.000 to 2.800*
LOG ACCURACY: *0.000 to 2.800*
LOG PRECISION: *0.000 to 2.800*
LOG REPRODUCIBILITY: *0.000 to 2.800*
LOG STABILITY: *0.000 to 2.800*
LOG RELIABILITY: *0.000 to 2.800*
LOG VALIDITY: *0.000 to 2.800*
LOG COMPLETENESS: *0.000 to 2.800*
LOG CLARITY: *0.000 to 2.800*
LOG READABILITY: *0.000 to 2.800*
LOG INTERPRETABILITY: *0.000 to 2.800*
LOG USABILITY: *0.000 to 2.800*
LOG APPLICABILITY: *0.000 to 2.800*
LOG FEASIBILITY: *0.000 to 2.800*
LOG VIABILITY: *0.000 to 2.800*
LOG SUSTAINABILITY: *0.000 to 2.800*
LOG RESILIENCE: *0.000 to 2.800*
LOG ADAPTABILITY: *0.000 to 2.800*
LOG TRANSFORMABILITY: *0.000 to 2.800*
LOG REVERSIBILITY: *0.000 to 2.800*
LOG RESTORABILITY: *0.000 to 2.800*
LOG PERSISTENCE: *0.000 to 2.800*
LOG ENDURANCE: *0.000 to 2.800*
LOG LONGEVITY: *0.000 to 2.800*
LOG PERMANENCE: *0.000 to 2.800*

LANE - WELLS
COMPANY: *McCullough*
WELL: *Capitan #1 Scott*
FIELD: *Capitan*
COUNTY: *San Antonio*
STATE: *TX*
DATE: *9-28-66*
LOG NO.: *100*
LOG TYPE: *Gamma-Ray Neutron*
LOG SCALE: *0.000 to 2.800*
LOG UNIT: *g/cc*
LOG RANGE: *0.000 to 2.800*
LOG INTERVAL: *0.000 to 2.800*
LOG RESOLUTION: *0.000 to 2.800*
LOG SENSITIVITY: *0.000 to 2.800*
LOG ACCURACY: *0.000 to 2.800*
LOG PRECISION: *0.000 to 2.800*
LOG REPRODUCIBILITY: *0.000 to 2.800*
LOG STABILITY: *0.000 to 2.800*
LOG RELIABILITY: *0.000 to 2.800*
LOG VALIDITY: *0.000 to 2.800*
LOG COMPLETENESS: *0.000 to 2.800*
LOG CLARITY: *0.000 to 2.800*
LOG READABILITY: *0.000 to 2.800*
LOG INTERPRETABILITY: *0.000 to 2.800*
LOG USABILITY: *0.000 to 2.800*
LOG APPLICABILITY: *0.000 to 2.800*
LOG FEASIBILITY: *0.000 to 2.800*
LOG VIABILITY: *0.000 to 2.800*
LOG SUSTAINABILITY: *0.000 to 2.800*
LOG RESILIENCE: *0.000 to 2.800*
LOG ADAPTABILITY: *0.000 to 2.800*
LOG TRANSFORMABILITY: *0.000 to 2.800*
LOG REVERSIBILITY: *0.000 to 2.800*
LOG RESTORABILITY: *0.000 to 2.800*
LOG PERSISTENCE: *0.000 to 2.800*
LOG ENDURANCE: *0.000 to 2.800*
LOG LONGEVITY: *0.000 to 2.800*
LOG PERMANENCE: *0.000 to 2.800*



Completed 10-19-66
IP (San Andres) Perfs 4064-4267'
Pmpd 51 BOPD + 2BW
Last Prod. Date 1/86
32687 BO
27747 MCF
13106 BW

Completed 8-20-66
IP (San Andres) Perfs 4083-4271'
Pmpd 81 BOPD + 2 BW
Last Prod. Date 11/88
27131 BO
24578 MCF
14841 BW



MURPHY OPERATING CORPORATION
Jennifer Chaveroo San Andres Unit (Proposed)

Chaveroo San Andres Field
Roosevelt County, New Mexico
CROSS SECTION C - C'

Vert. Scale: 2 1/2" = 100'
Horz. Scale: Approximate

George L. Scott, Jr.

June, 1989

EXHIBIT 15
NORTH-SOUTH (Sec. 8-18-19)
CROSS SECTION